
Architect

Position Statement

Architectural design and review of a wide range of project types, including residential and commercial structures. Understand architectural failures from hurricane and other disaster-induced failures and recommend appropriate architectural solutions. Experienced in architectural design of residential and commercial structure. Determine and provide current technical information on architectural and building code for program staff.

Duties

- ❑ Architectural analysis, and evaluation
- ❑ Residential and commercial design of structures
- ❑ Structural failure analysis
- ❑ Determine and disseminate current technical information on existing and proposed architectural solution
- ❑ Identify the need for, initiates and coordinates the reevaluation of existing building performance and assessment data. Strong emphasis on coordination with State and local experts to establish confidence on existing and proposed building codes.
- ❑ Coordinate with the Technical Services Branch Chief to obtain building damage extent information.
- ❑ Coordinate with the Benefit/Cost Analyst to review Hazard Mitigation Grant Program (HMGP) projects.

Knowledge, Skills and Abilities

Knowledge

- ❑ General knowledge of architecture, architectural practice, building codes (especially Florida Building Codes), details of planning and designing of a variety of building types and groups of building, in particular, commercial and residential structure
- ❑ 5-10 years experience in commercial and/or residential design
- ❑ Ability to manage and mentor junior architects
- ❑ Prefer registered architect in at least one state
- ❑ General knowledge of building materials and methods of construction to accurately produce working drawings and specification
- ❑ General knowledge of construction costs in order to design a project within the budget
- ❑ General knowledge of structure, electrical and mechanical engineering as related to buildings to properly coordinate all the elements required for a complete building design
- ❑ General knowledge of the methods of organization for proper production and compilation of construction documents
- ❑ Basic knowledge of FEMA's hazard mitigation and Public Assistance program
- ❑ Practical knowledge of State and local governments in the Region (their legislative processes, organizations, laws, authorities, interrelationships) in order to gain public officials understanding, acceptance and support of FEMA program.
- ❑ General knowledge of contracts to effectively provide construction administration and ensure compliance with codes, plans and specification.
- ❑ Ability to communicate and interact
- ❑ Comprehensive knowledge of personal computers and software to effectively prepare various construction documents, reports, correspondence, spreadsheets. This includes AutoCAD 2002, PhotoShop, Project Maintenance experience, Windows 2000.

Skills and Abilities

- ❑ Create comprehensive architectural designs to produce construction documents that meet the needs of the program, as well as design criteria and building codes
- ❑ Analyze comprehensive architectural designs to produce construction documents that meet the needs of the program, as well as design criteria and building codes
- ❑ Effectively communicate pictorially, orally and in writing, to provide clear and concise information/ideas to a variety of audiences and in different settings
- ❑ Analyze logically and creatively to identify issues, draw valid conclusions, develop effective solutions, alternatives and/or make recommendations to various entities regarding planning, design and/or construction situation
- ❑ Direct the work of an architectural/engineering design team to ensure accurate interdisciplinary coordination of plans and specifications.
- ❑ Prioritize multiple projects to effectively meet scheduling needs for the fiscal year.
- ❑ Ability to conduct oral briefing
- ❑ Ability to prepare technical reports for Branch Chief
- ❑ Ability to perform work independently under minimal supervision of Branch Chief
- ❑ Ability to produce program results that are considered sound, accurate and technically correct.
- ❑ Ability to plan and carry out assignment of Branch Chief, from initiation to completion
- ❑ Ability to use guidance from varied sources, using whatever is required in research, judgment in interpretation and latitude in application.